

Fig. 2

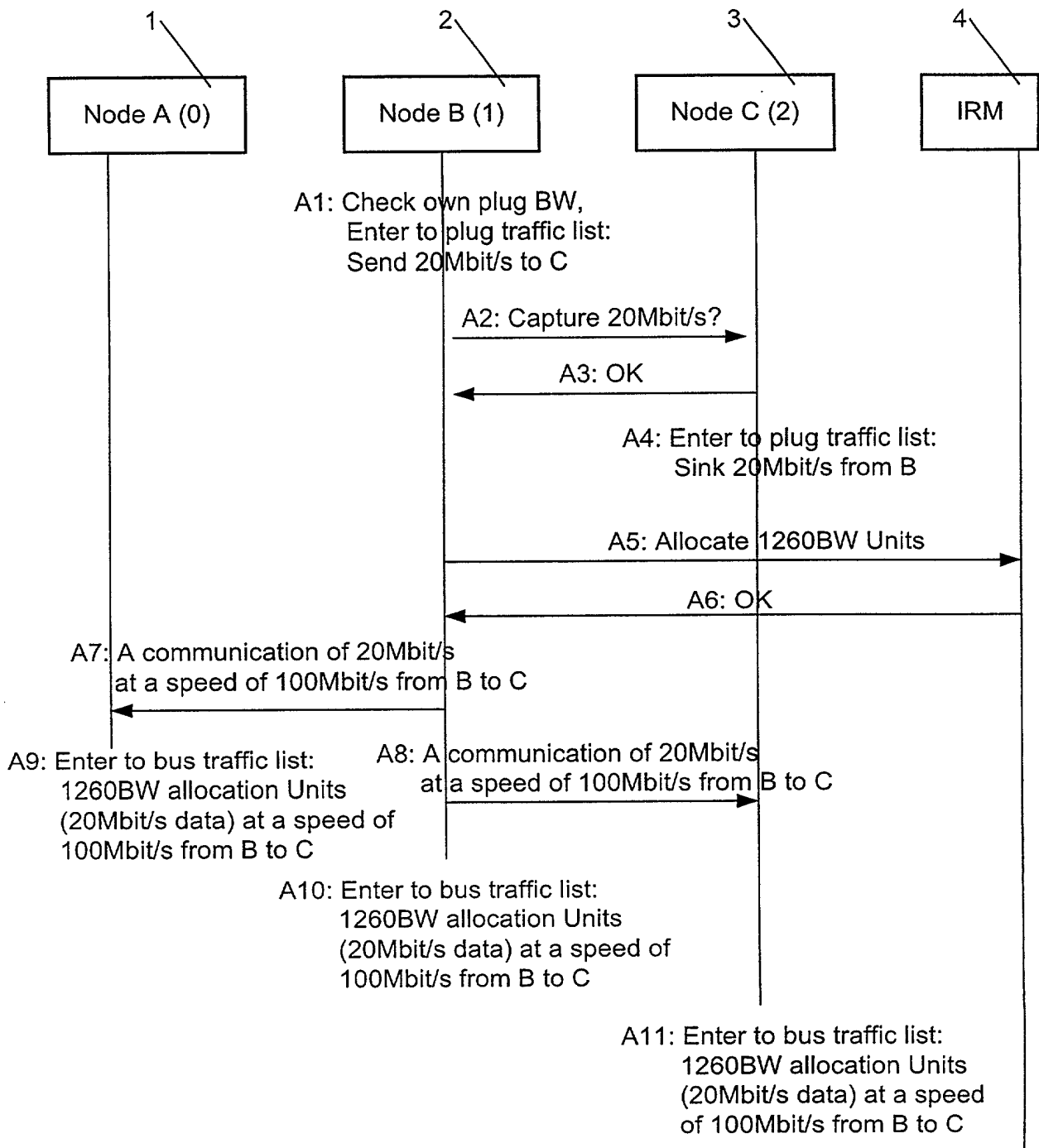


Fig. 3

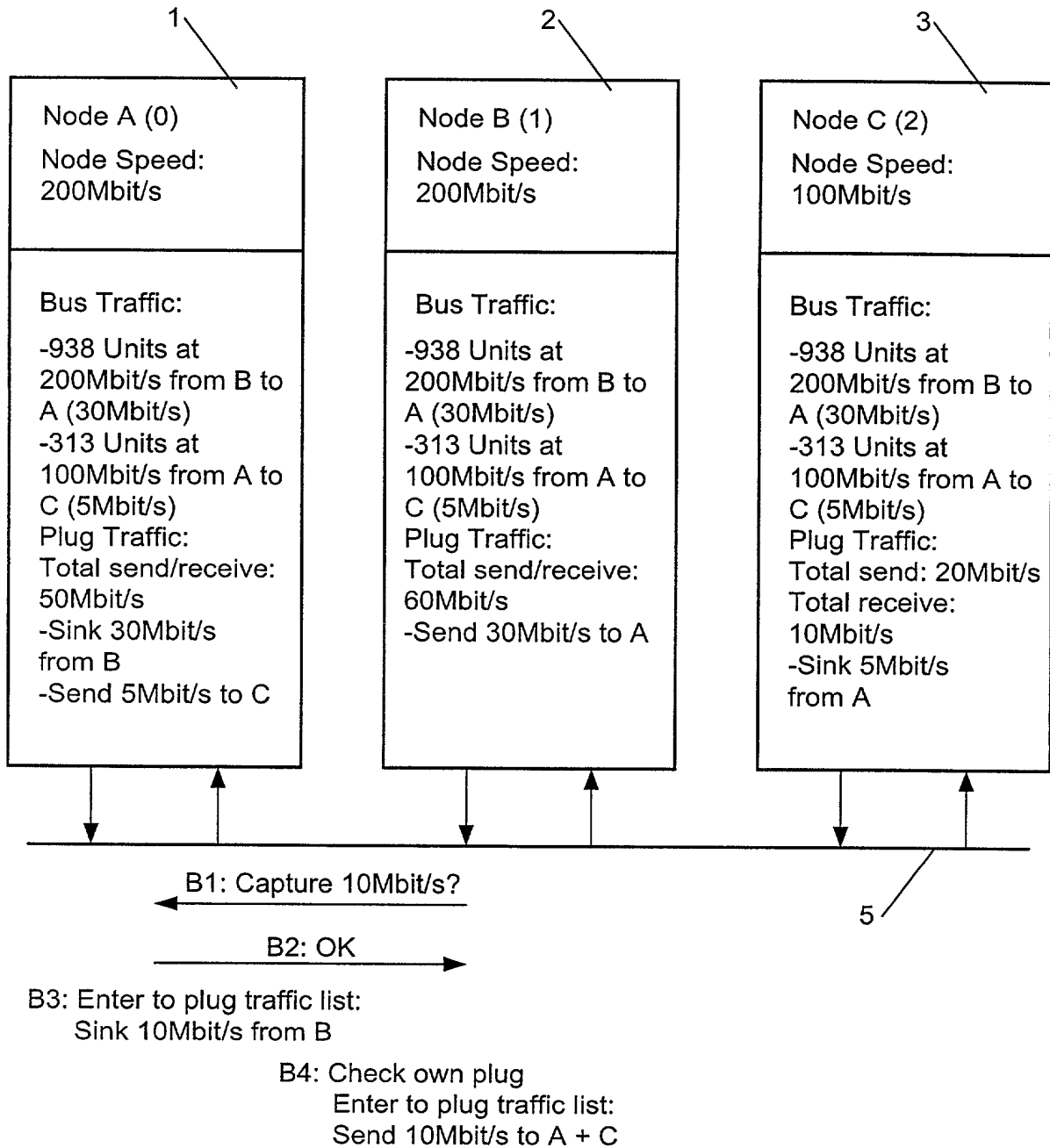


Fig. 4(a)

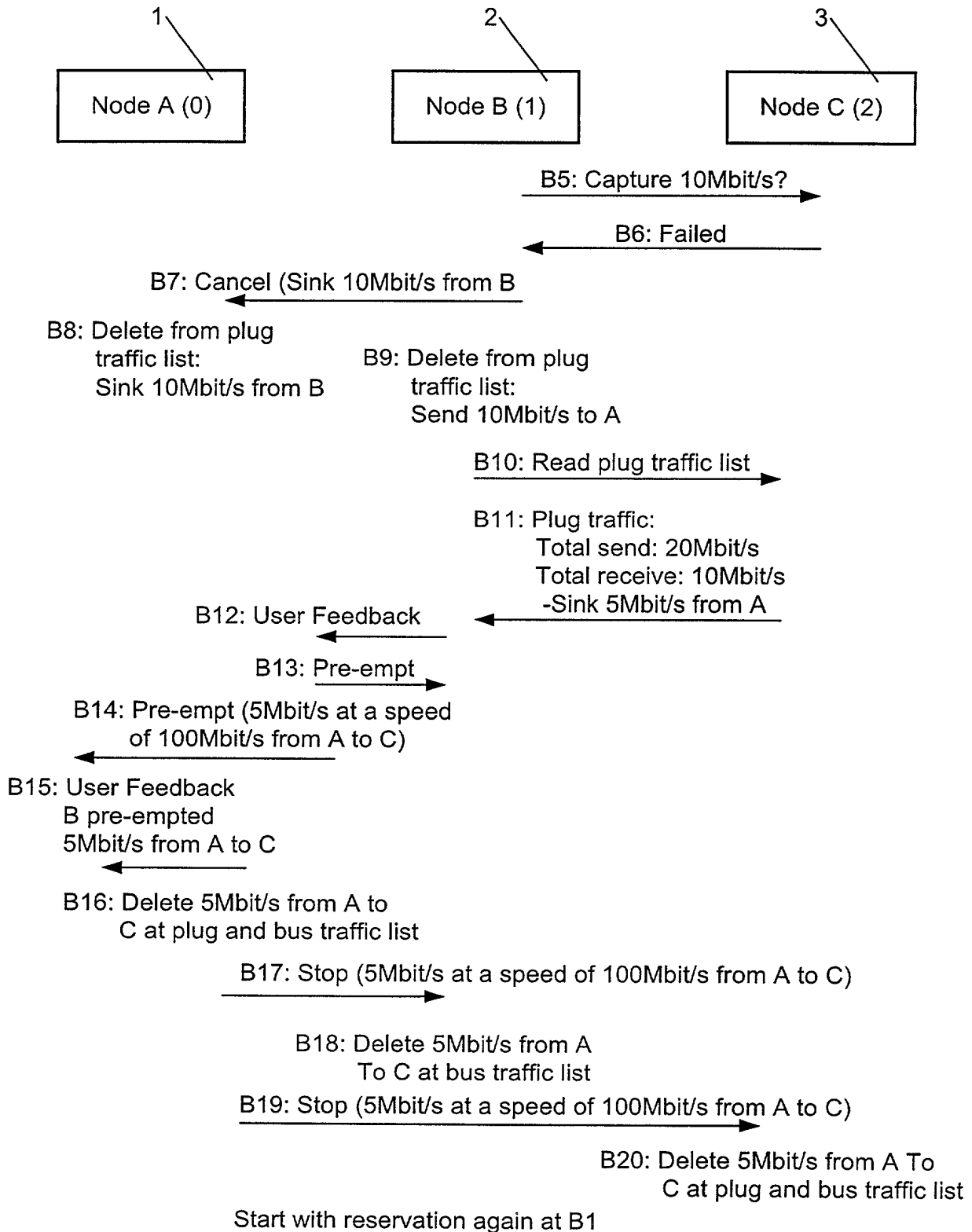


Fig. 4(b)

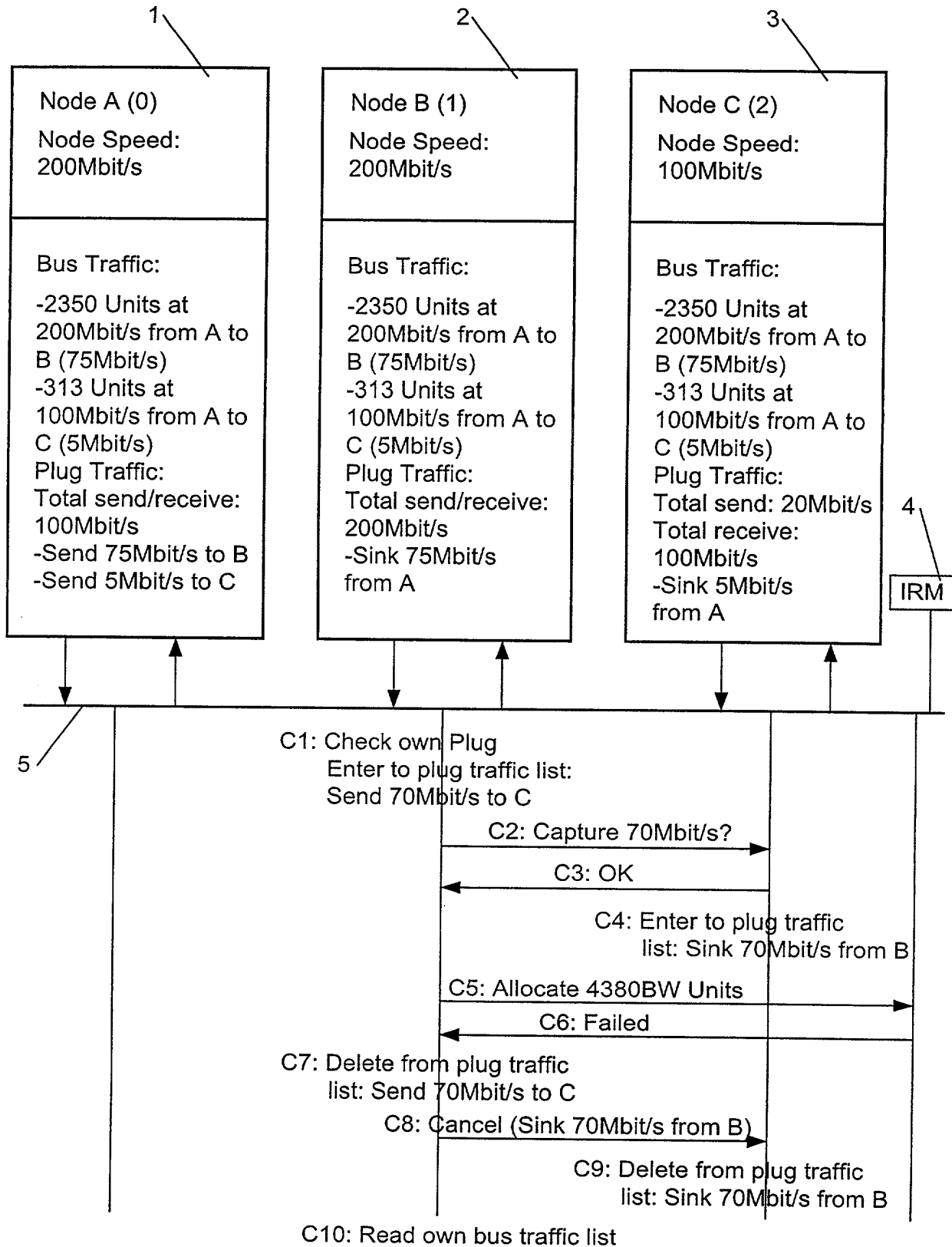


Fig. 5(a)

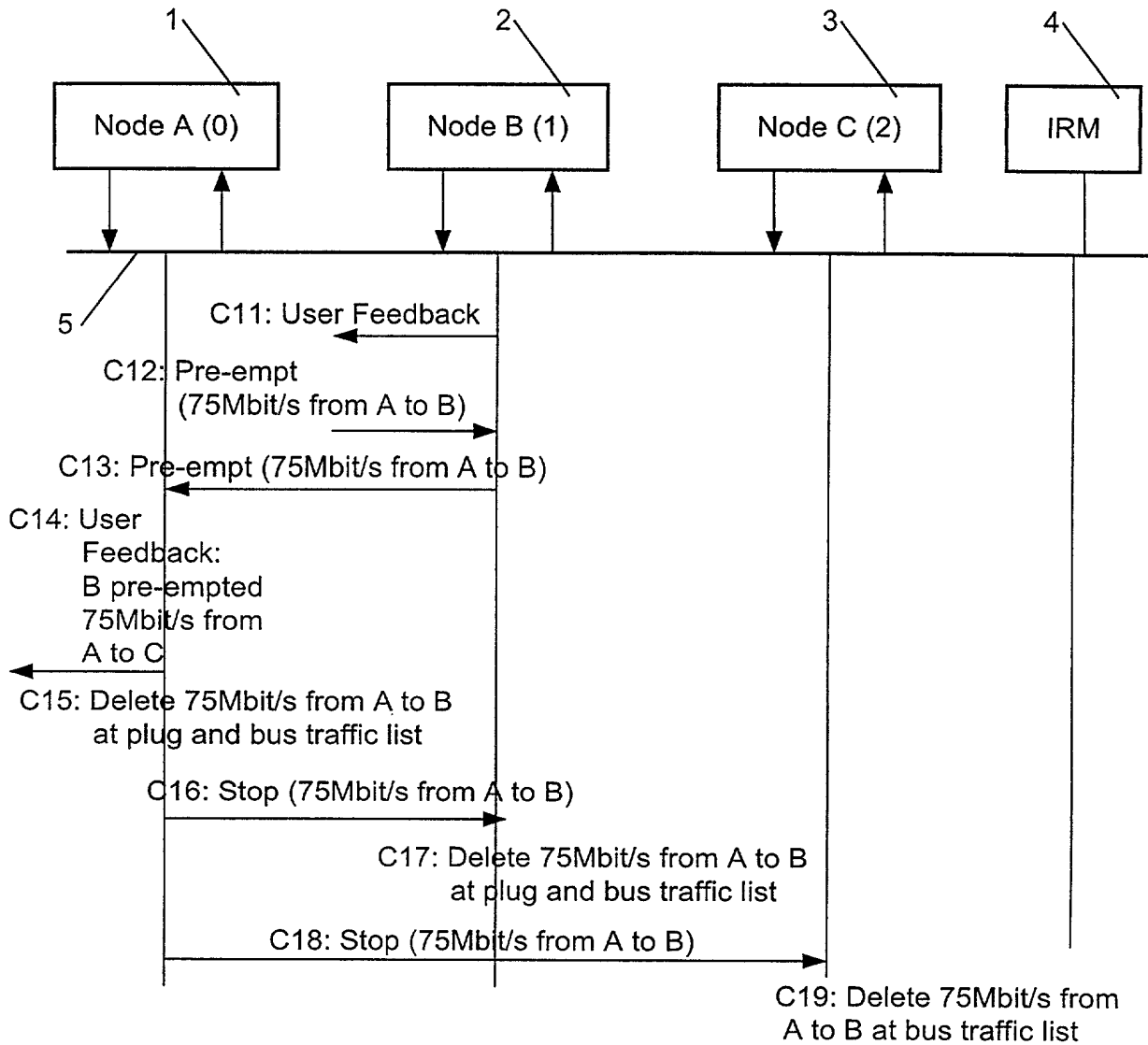


Fig. 5(b)

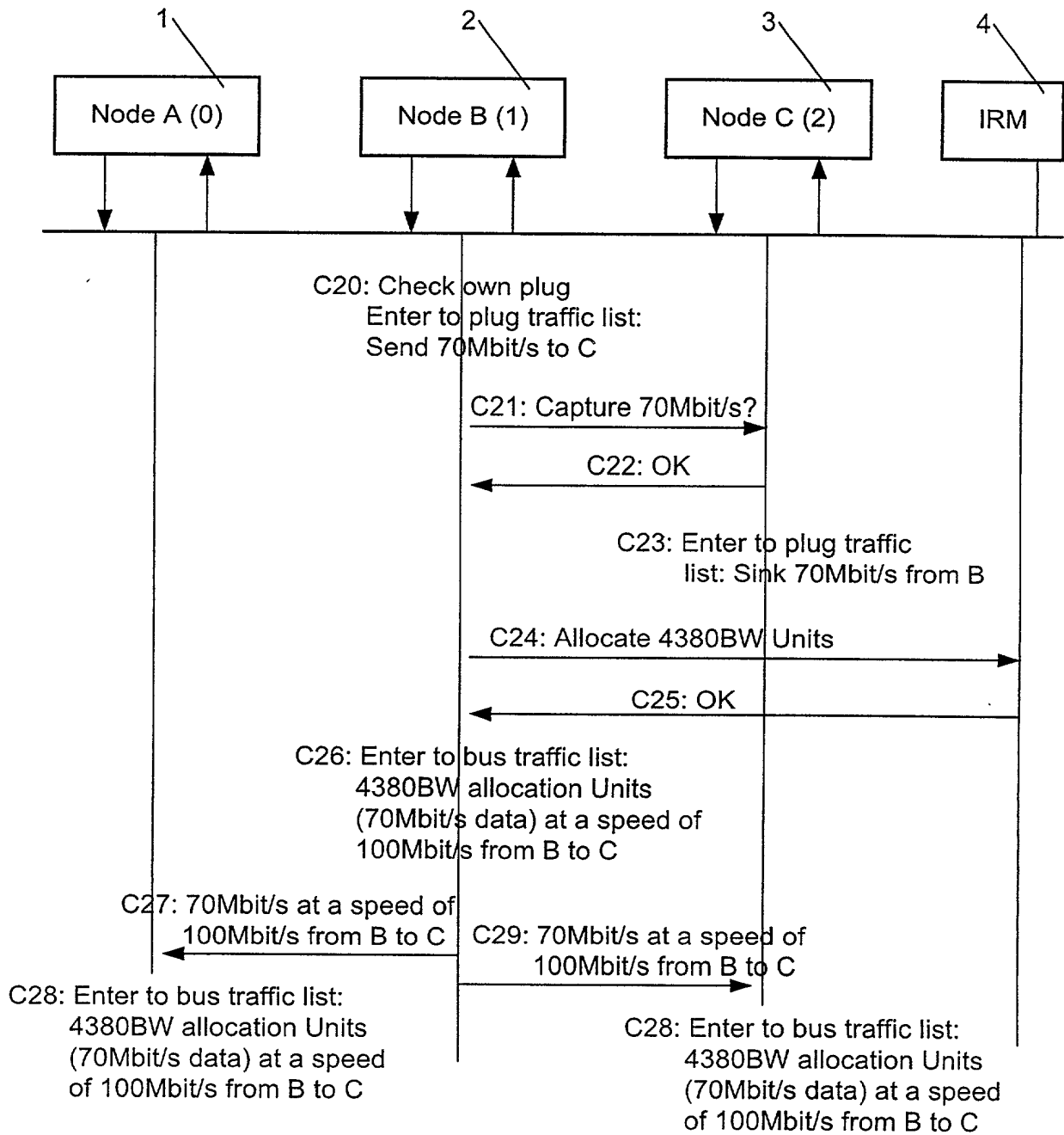


Fig. 5(c)

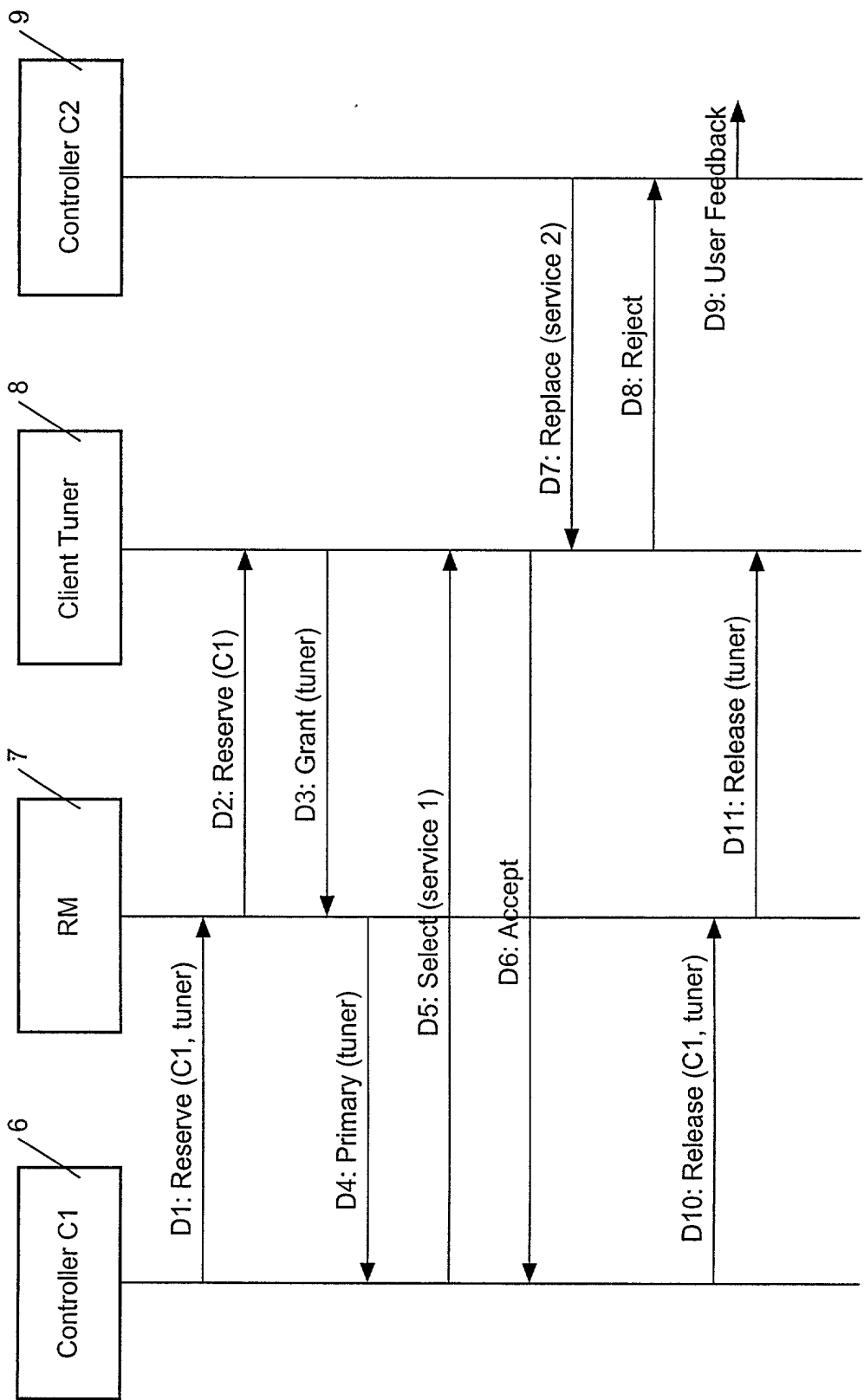


Fig. 6

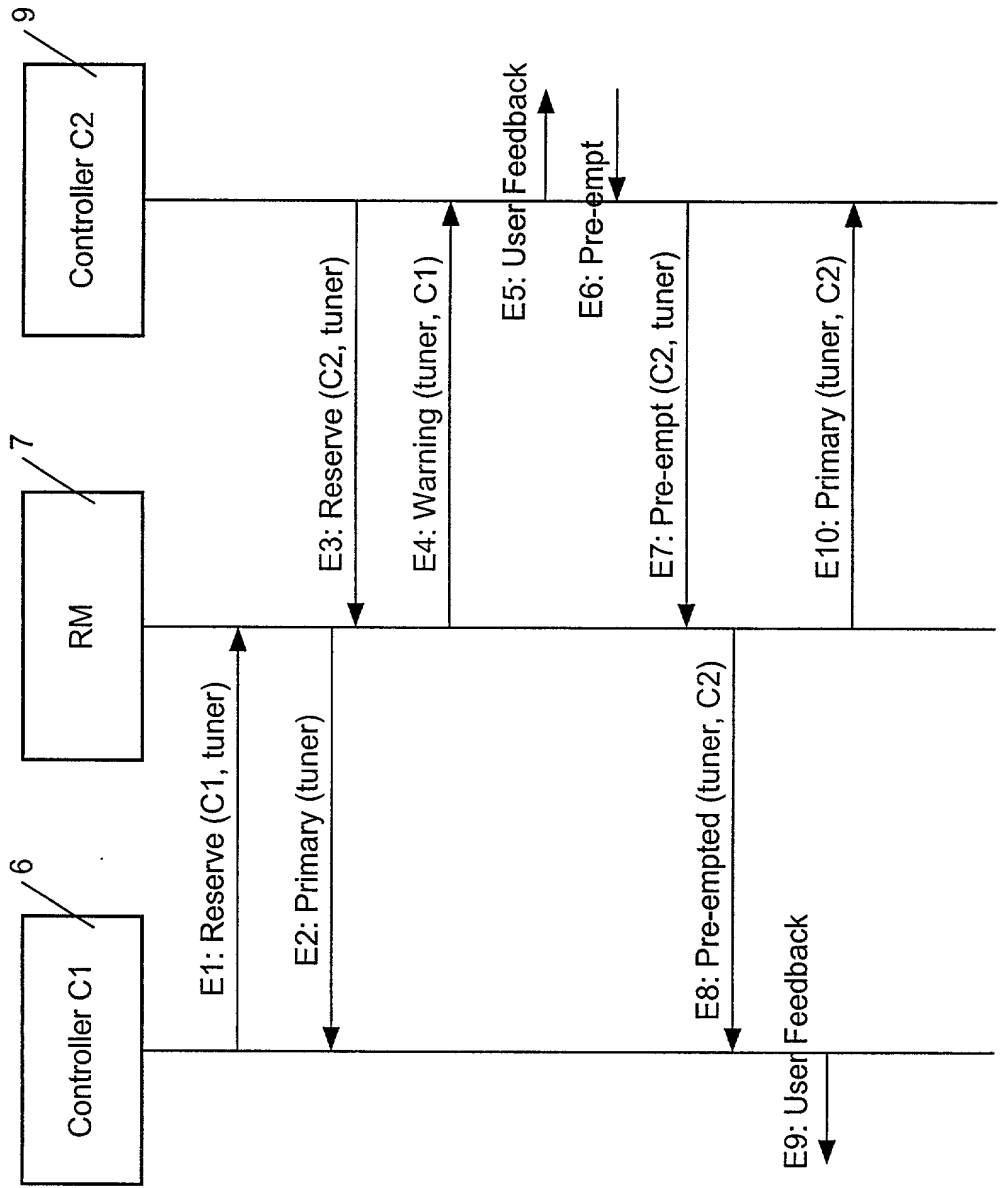


Fig. 7

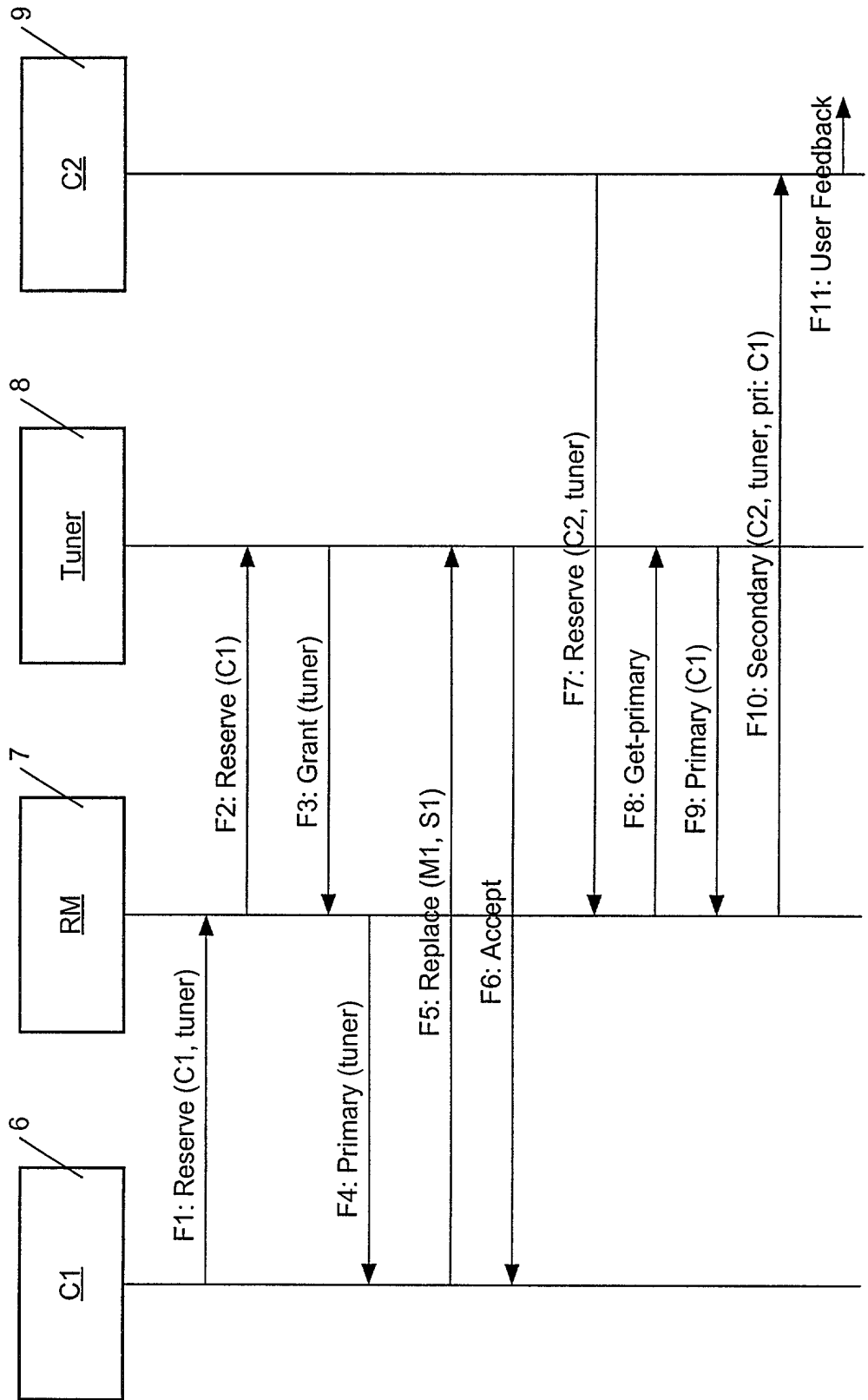


Fig. 8(a)

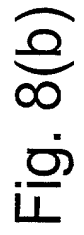


FIG. 9 is a sequence diagram illustrating a reservation process between three components: C1 (6), RM (7), and C2 (9). C1 (6) sends a reservation request (G1: Reserve (C1, tuner)) to RM (7). RM (7) then sends a reservation request (G3: Reserve (C2, tuner)) to C2 (9). C2 (9) sends a secondary reservation request (G4: Secondary (C2, tuner, pri: C1)) back to RM (7). RM (7) then sends a warning message (G7: Warning (pri: C1, snd: C2)) to C2 (9). C2 (9) sends a pre-empted message (G10: Pre-empt (C3, tuner)) to C3 (10). C3 (10) sends a pre-empted message (G9: Pre-empt) back to C2 (9). C2 (9) sends a user feedback message (G5: User Feedback) to RM (7). RM (7) then sends a pre-empted message (G11: Pre-empted (tuner, C3)) to C3 (10). C3 (10) sends a user feedback message (G8: User Feedback) to C2 (9). C2 (9) sends a primary reservation request (G15: Primary (tuner)) to C3 (10). C3 (10) sends a user feedback message (G12: User Feedback) to C2 (9). C2 (9) sends a user feedback message (G14: User Feedback) to C1 (6). C1 (6) sends a pre-empted message (G13: Pre-empted (tuner, C3)) to C3 (10). C3 (10) sends a user feedback message (G14: User Feedback) to C1 (6).

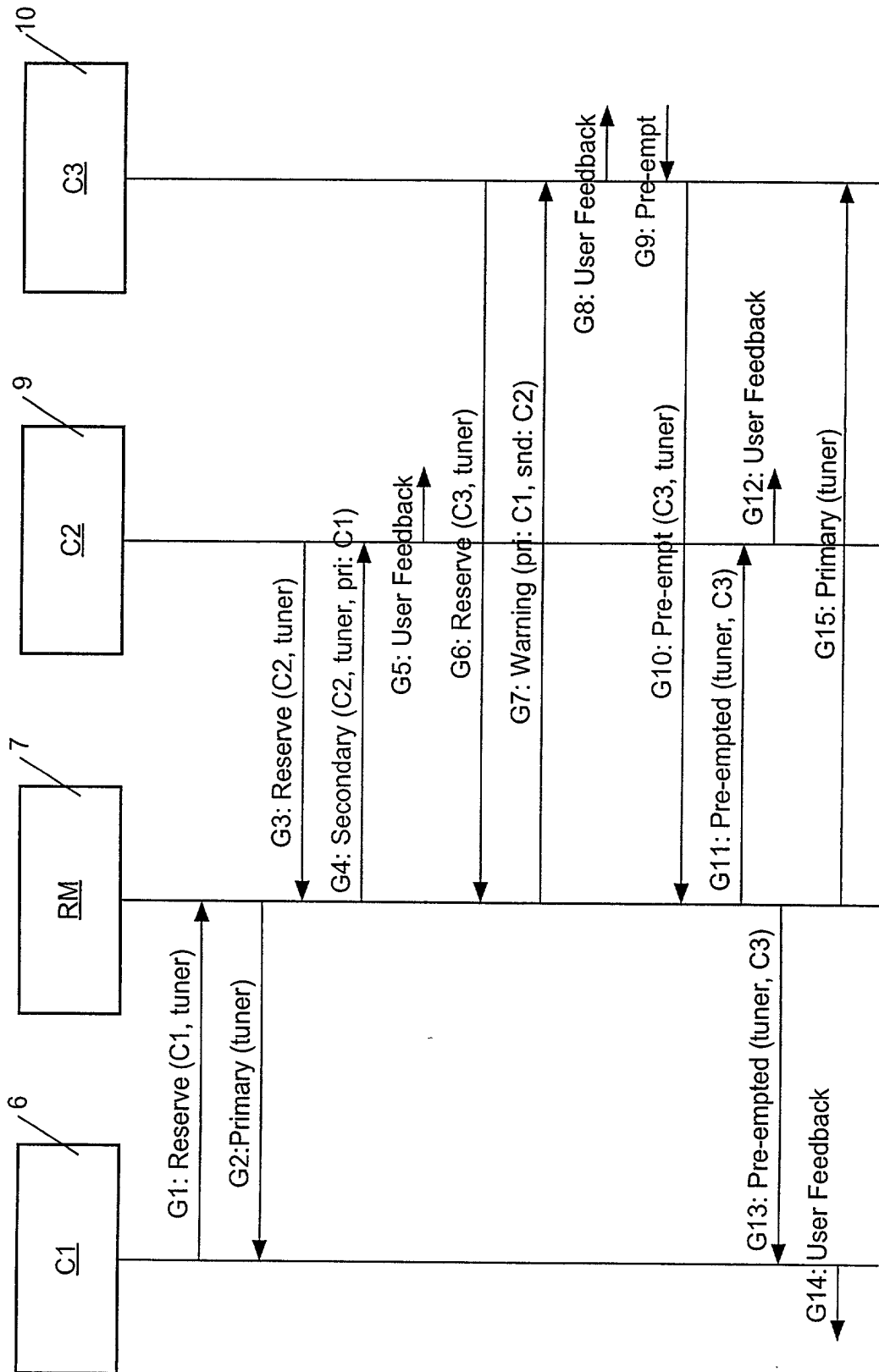


Fig. 9

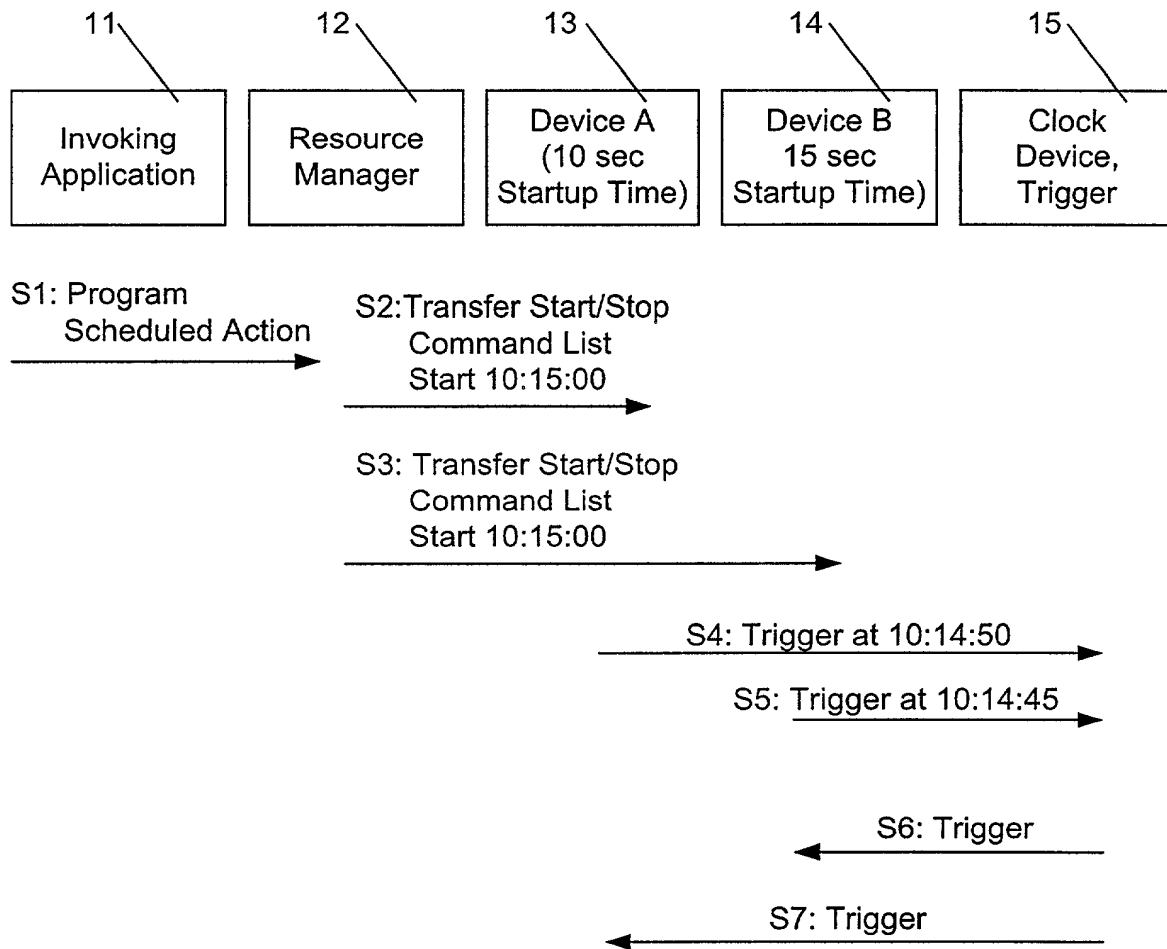


Fig. 10